

## Home Network Over Coax

Title: A Home Network System and Method  
Inventors: Kliger et al.  
Atty Docket No. TIA-001  
Atty/Agent: Michael A. Rodriguez  
Express Mail Label No. EL749105460US

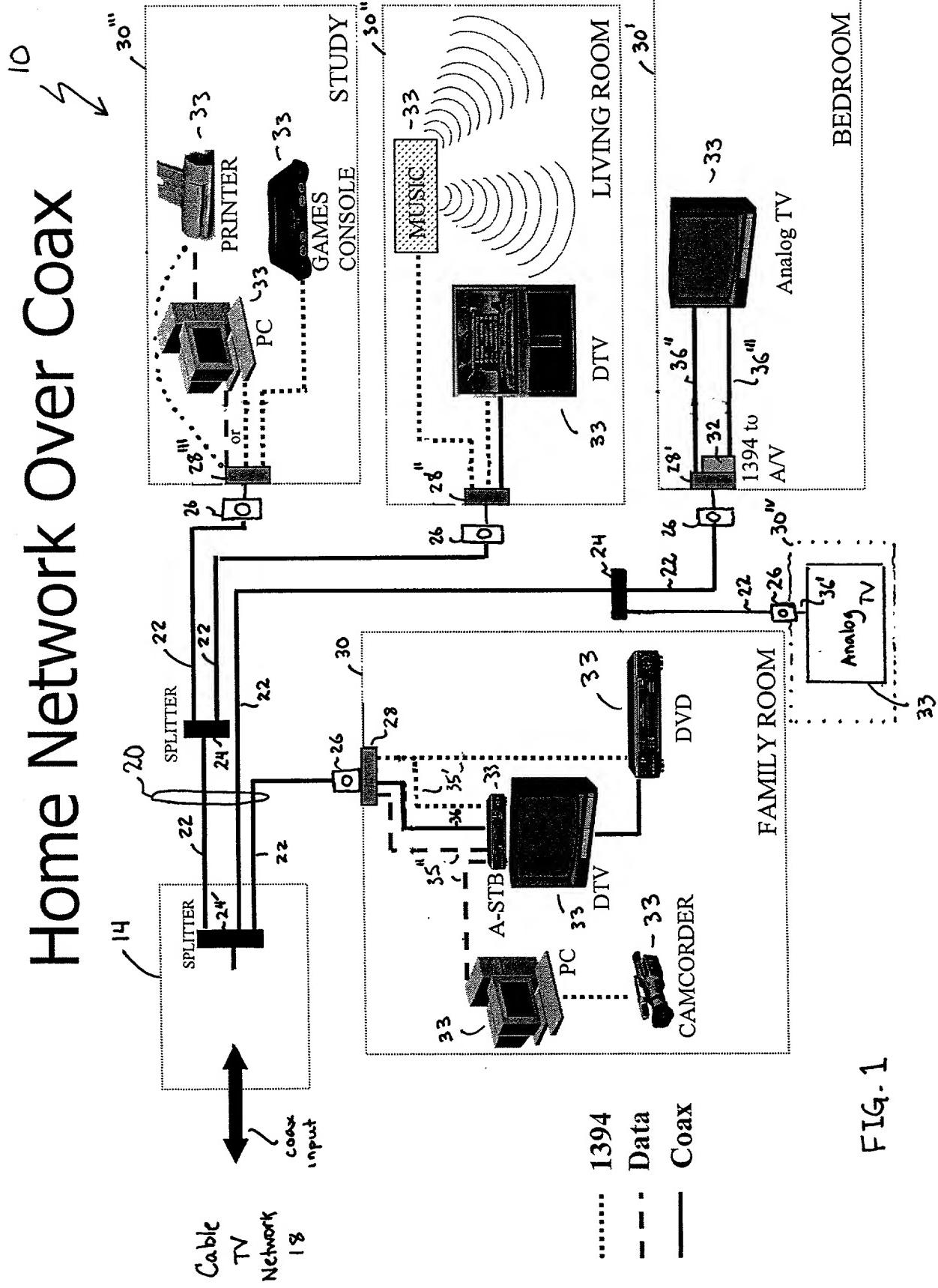


FIG. 1

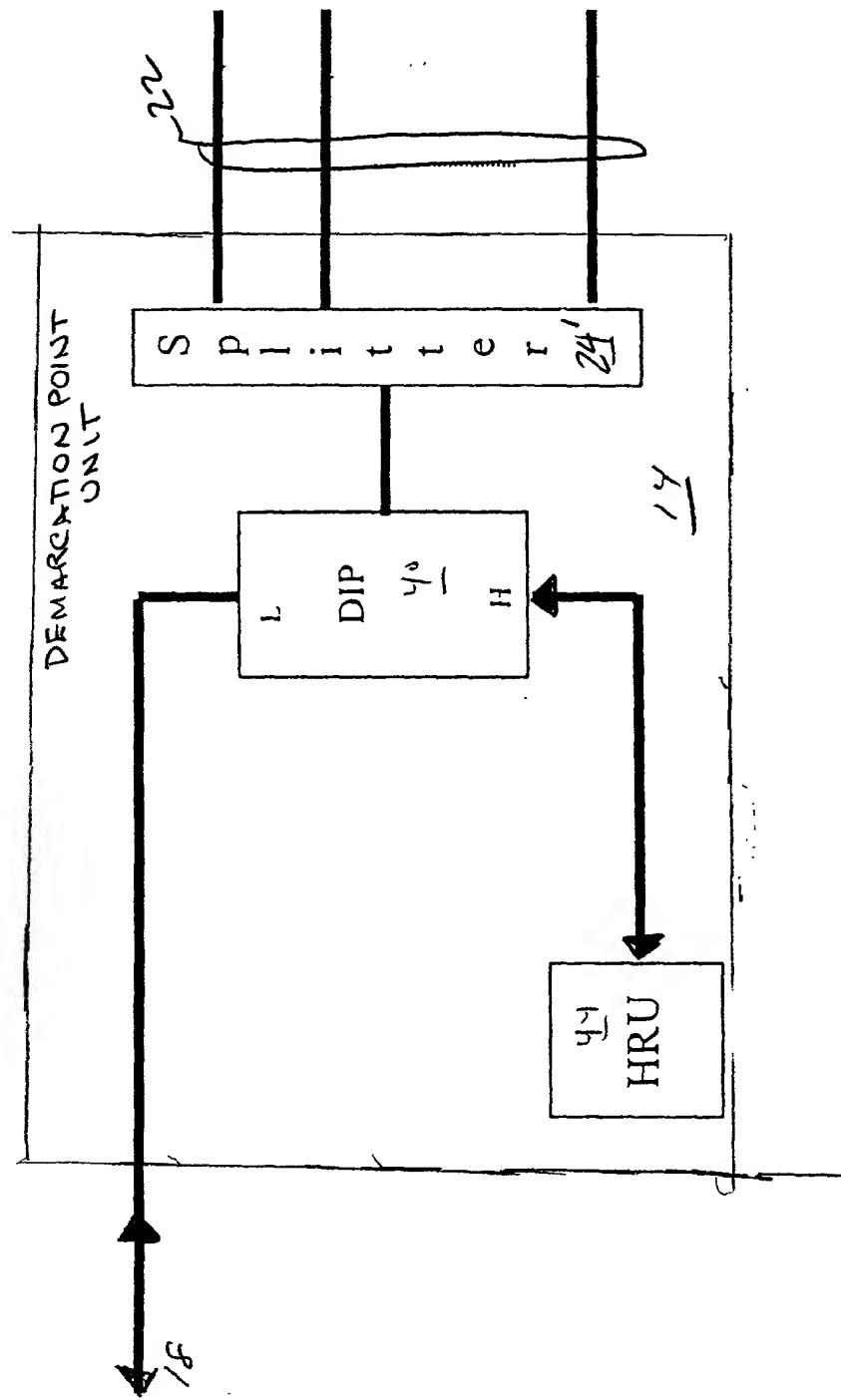


Fig 2

# Physical Layer Block Diagram - Reflector

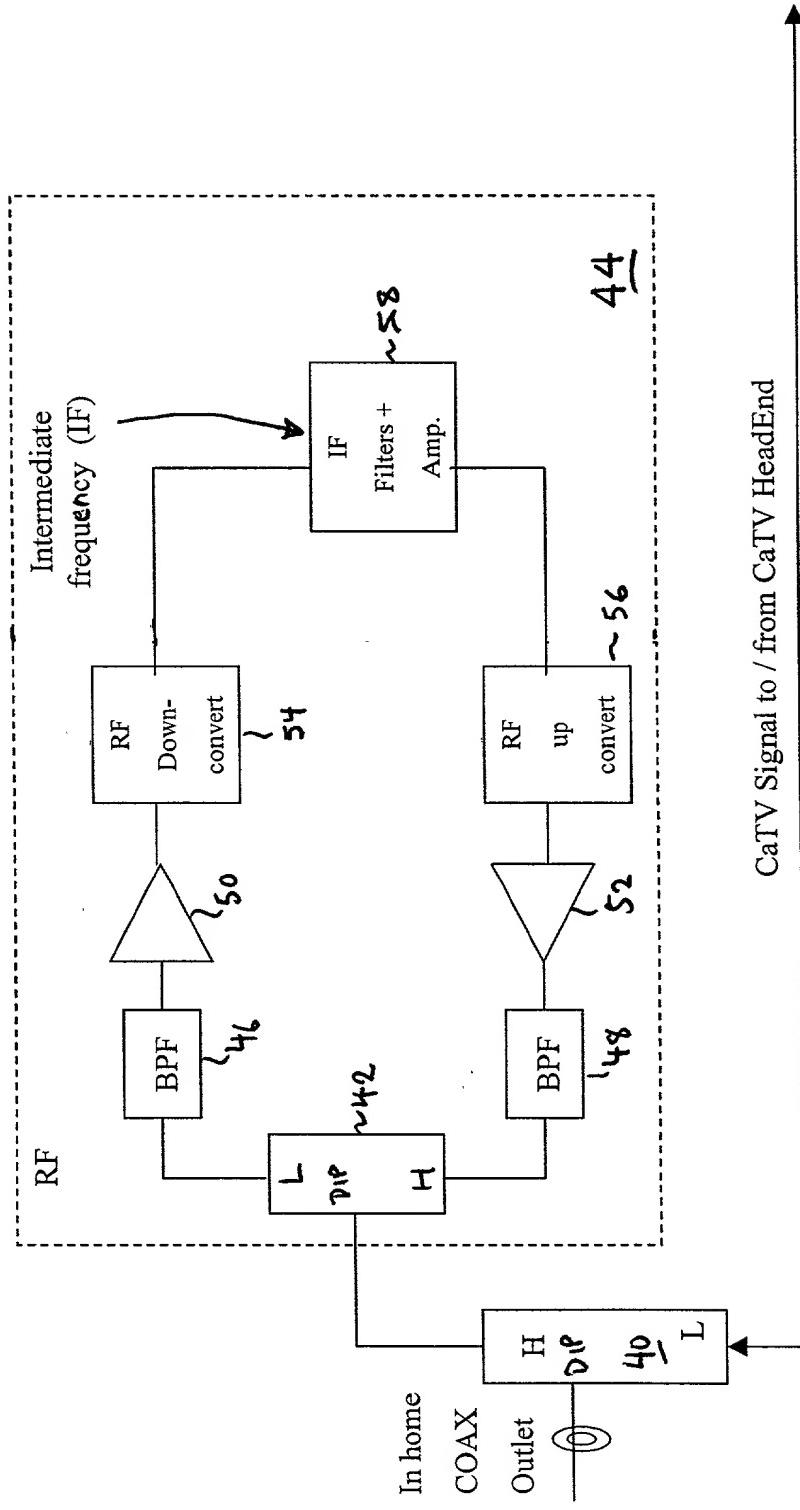


FIG. 2A

# Bridge to Coax

28

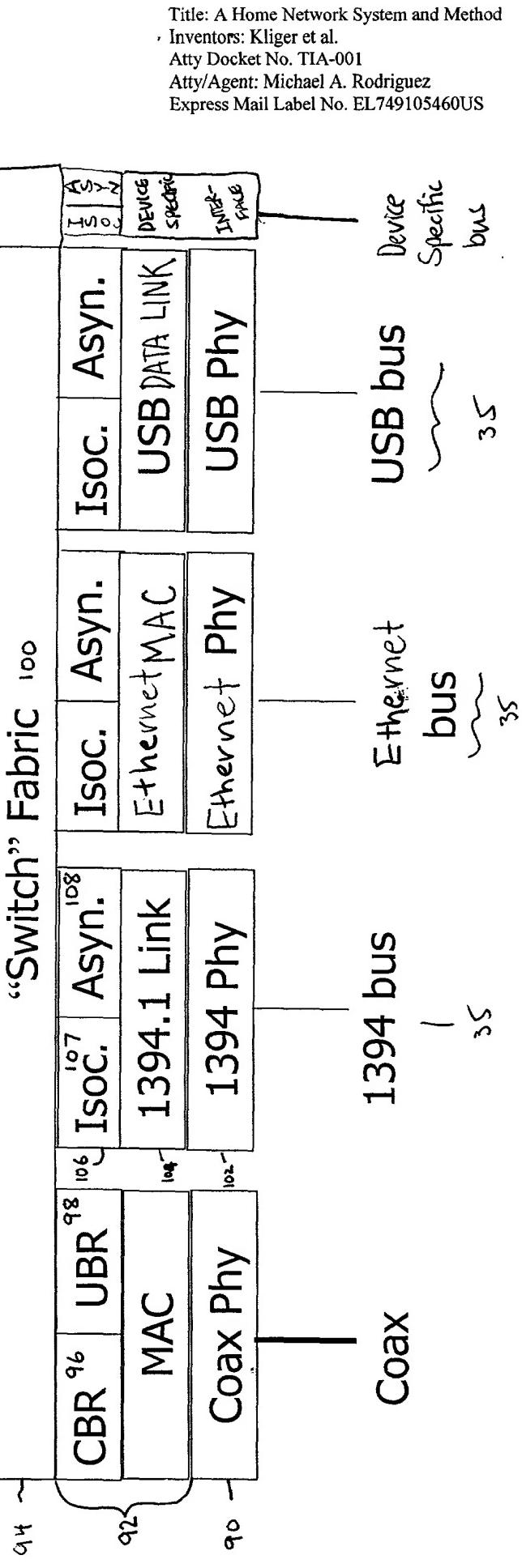


FIG. 3

# Physical Layer Block Diagram - HNM

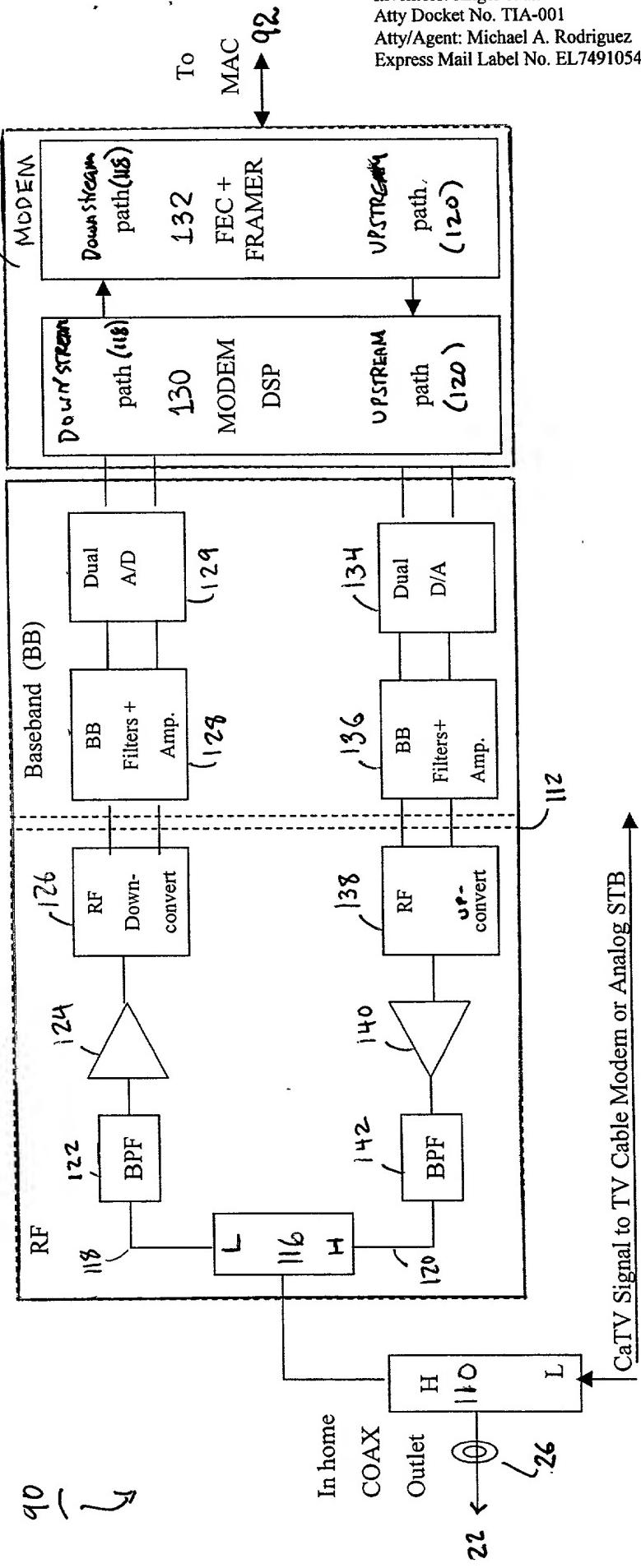


FIG. 4

# Modem Block Diagram

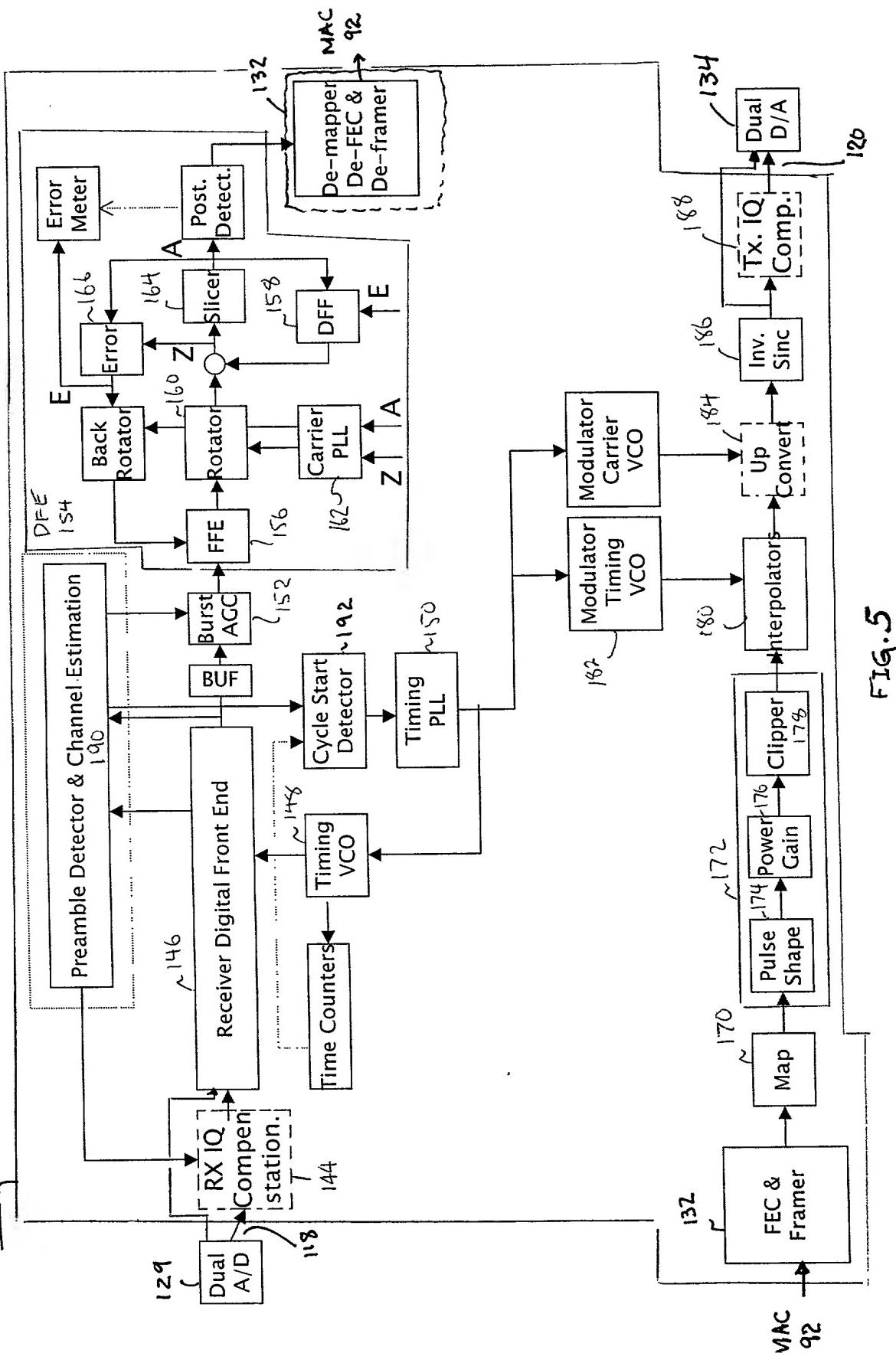


FIG. 5

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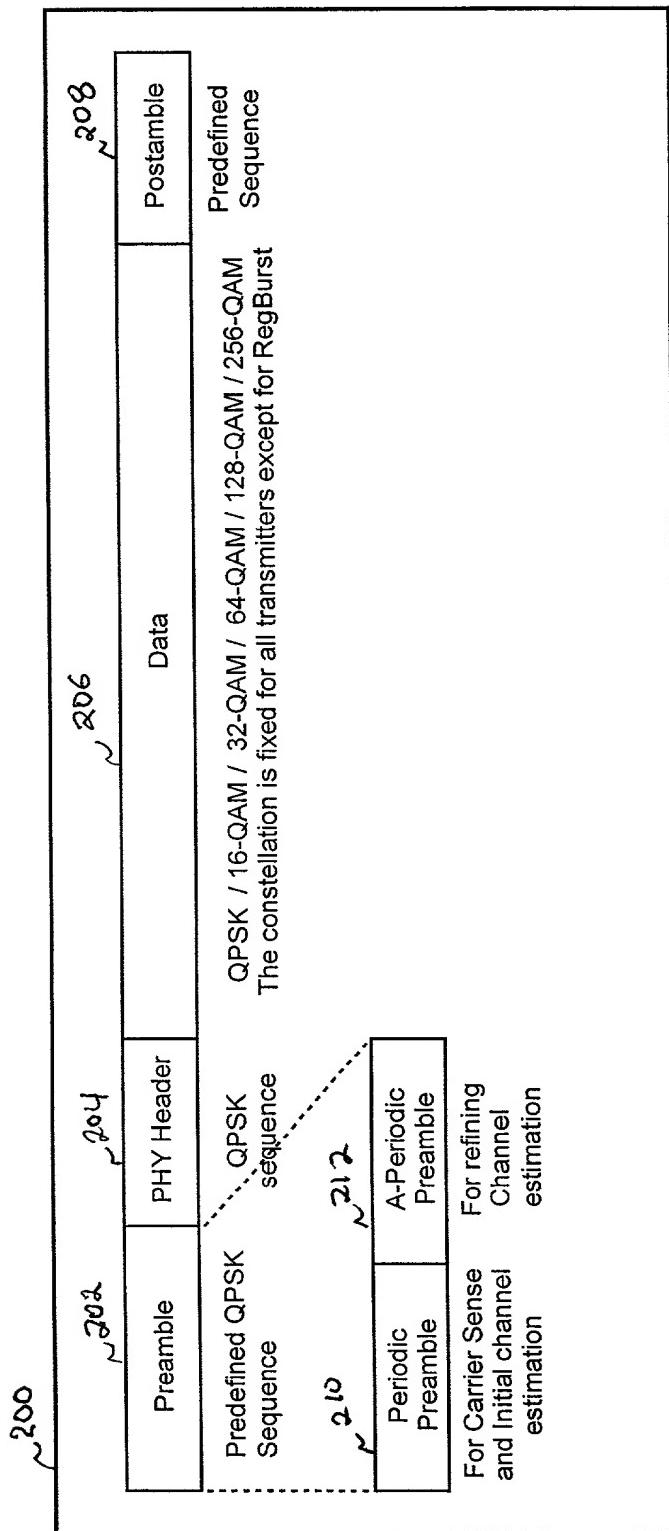
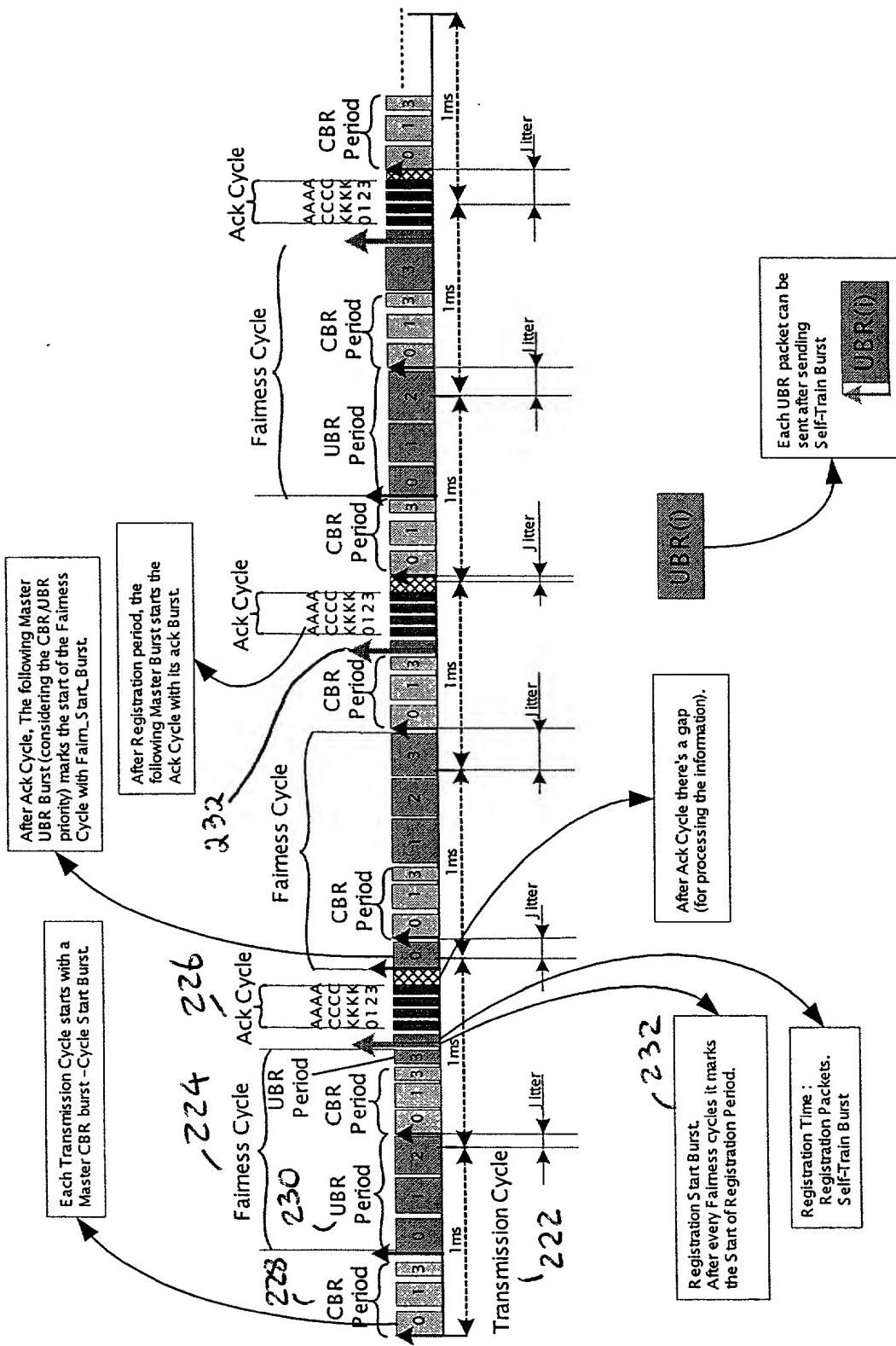
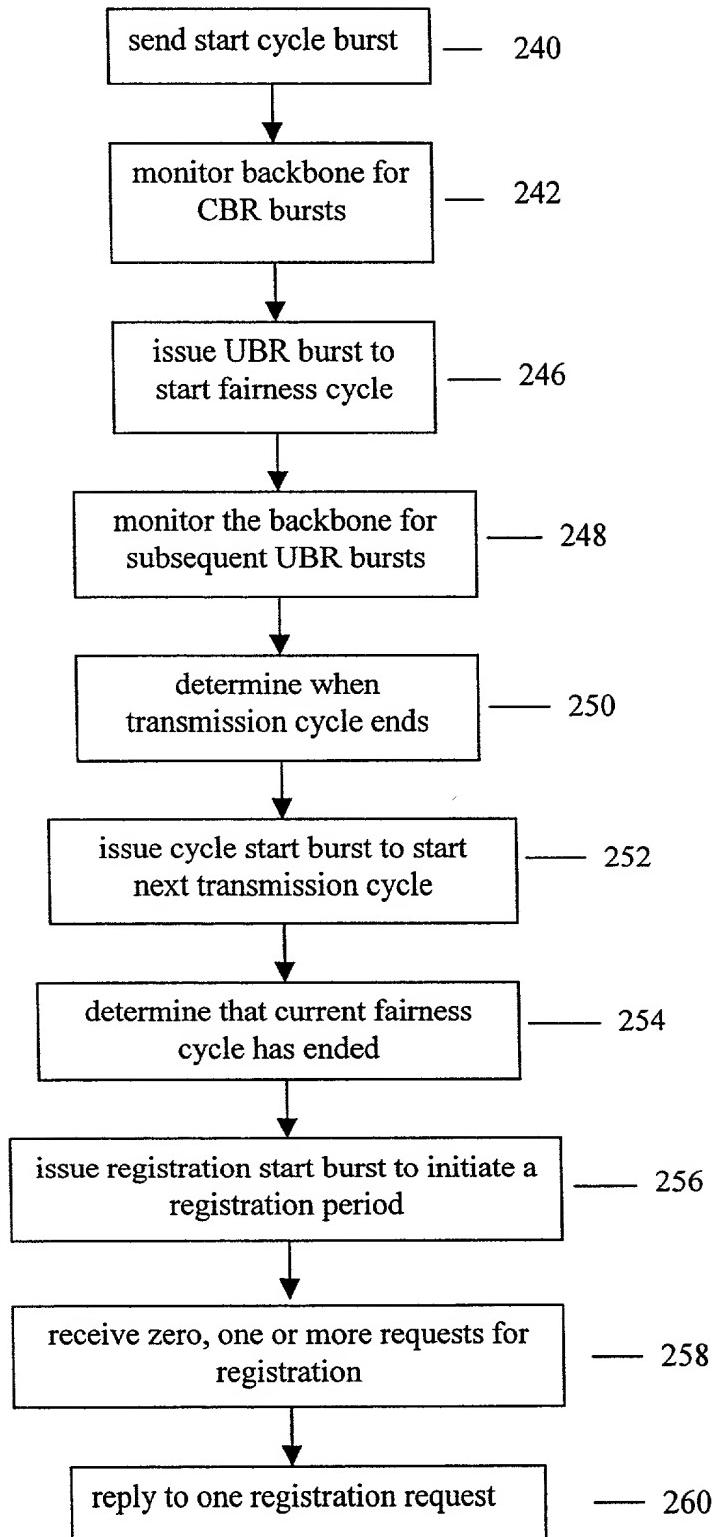


FIG. 6

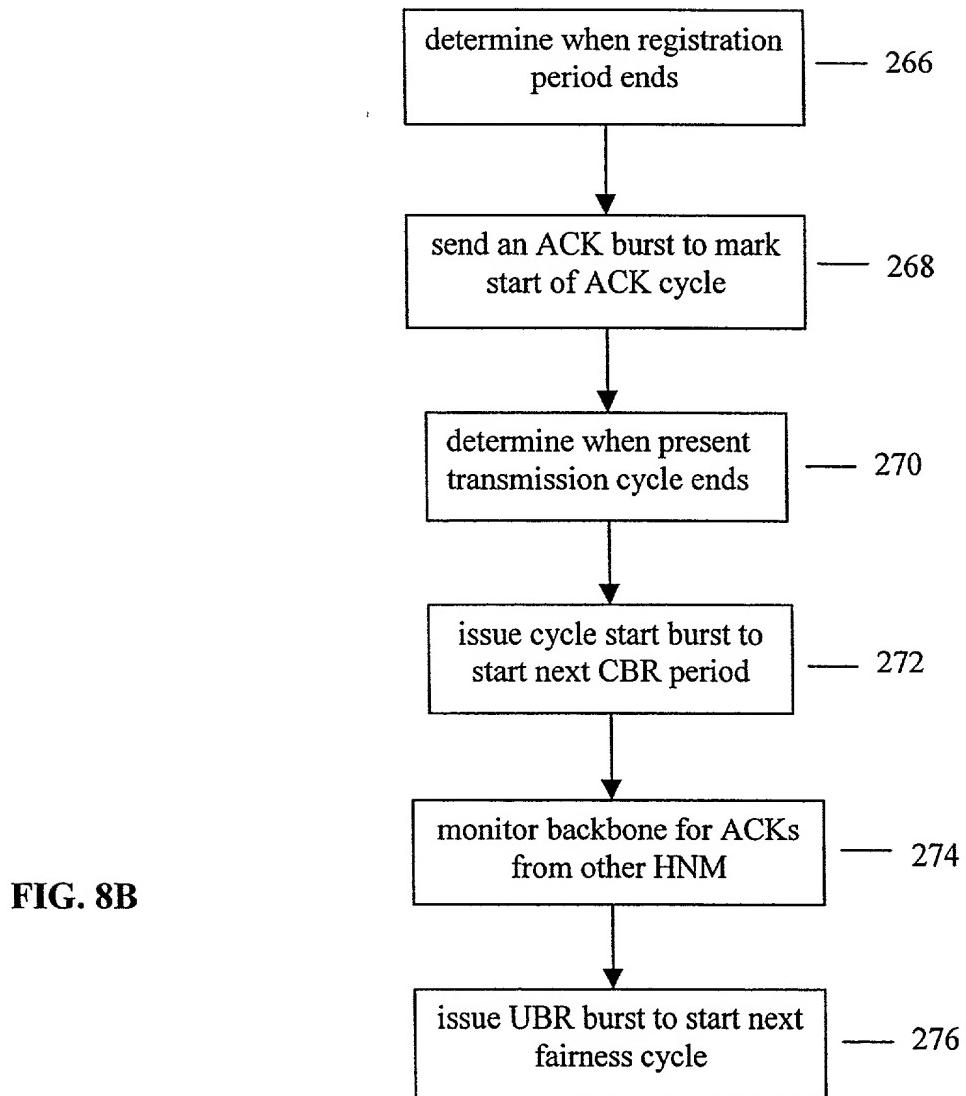
FIG. 7

220





**FIG. 8A**



**FIG. 8B**

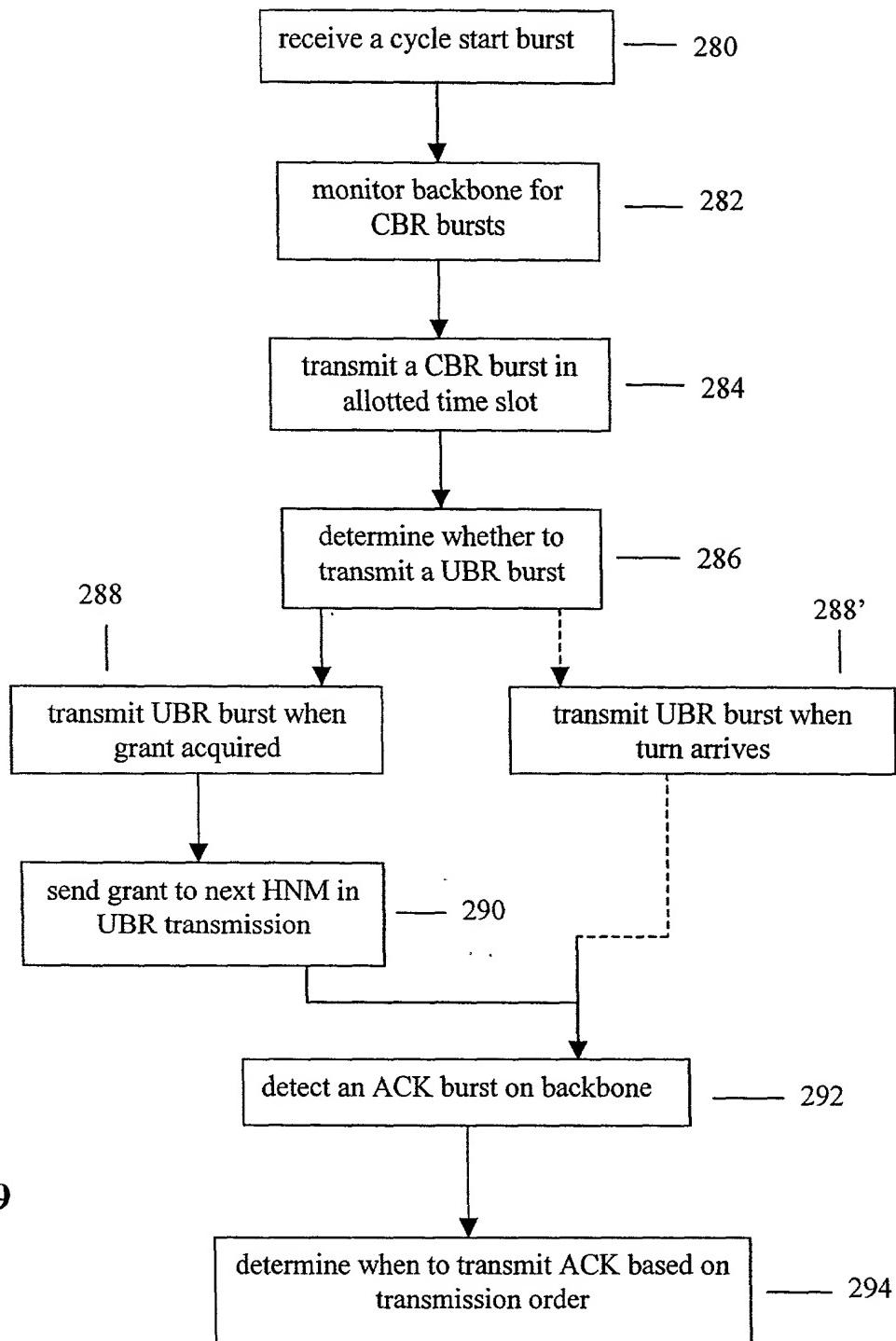


Fig. 9

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detect a registration  
start burst - 296

issue a registration  
request - 298

NO  
reply  
received  
from  
master  
UM  
?

YES

transmit - 300  
during CBR  
and UBR Periods

FIG. 10

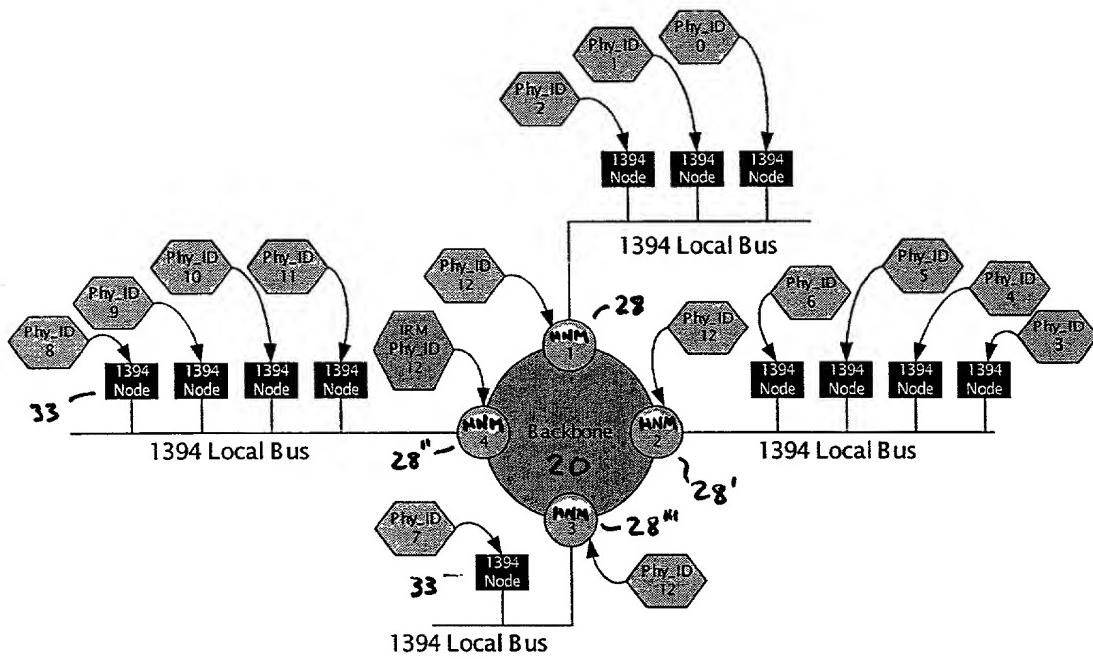


FIG. 11

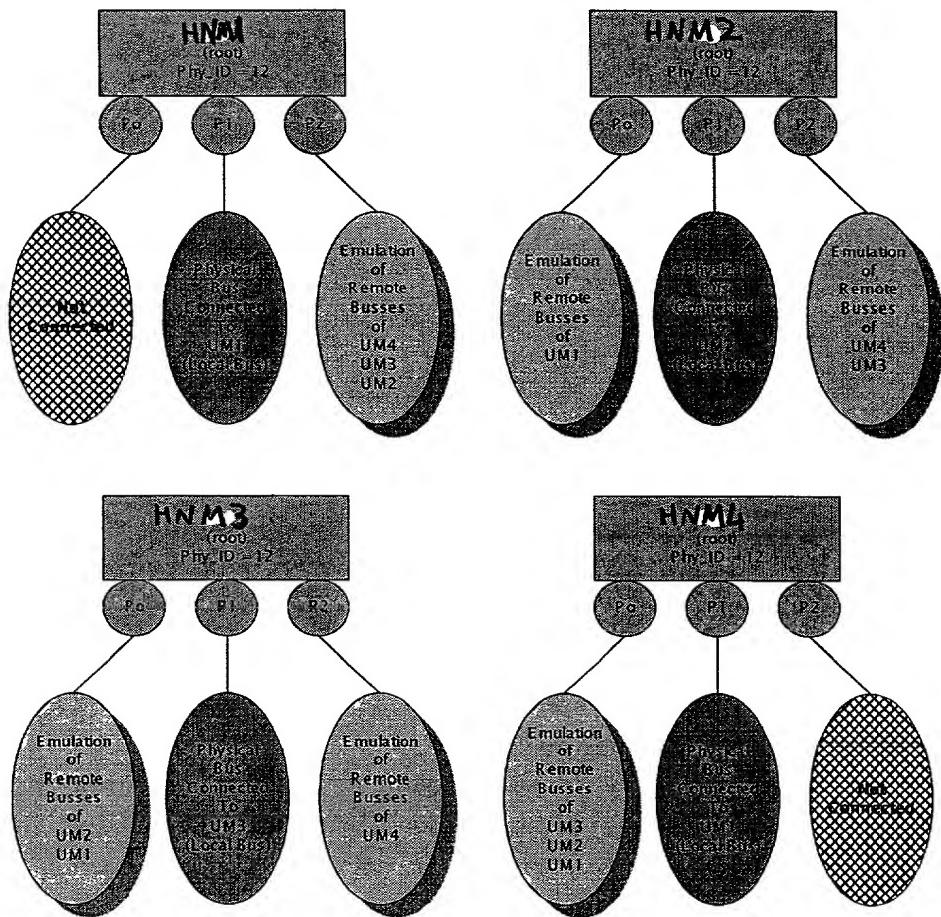


FIG. 12

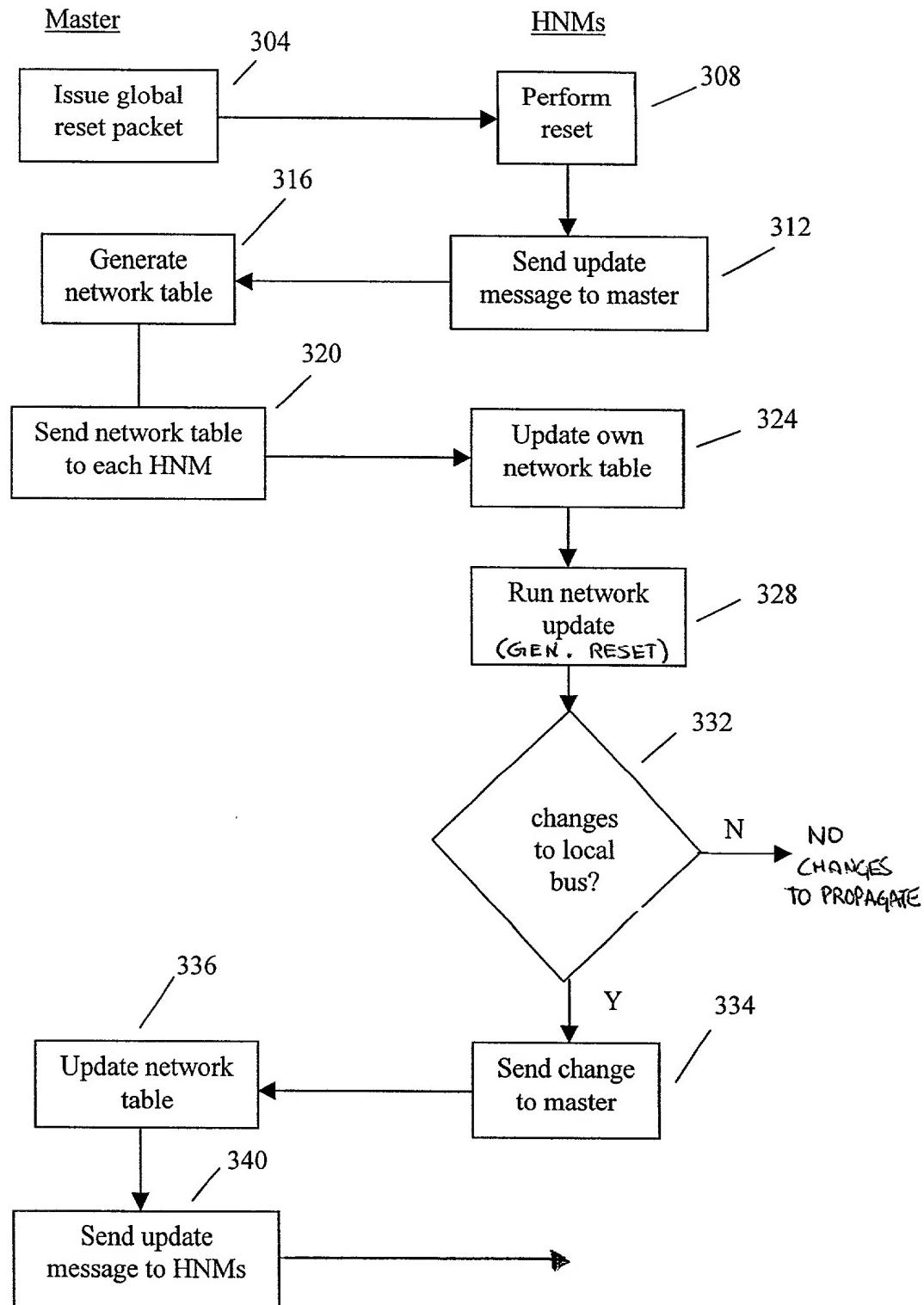


FIG. 13

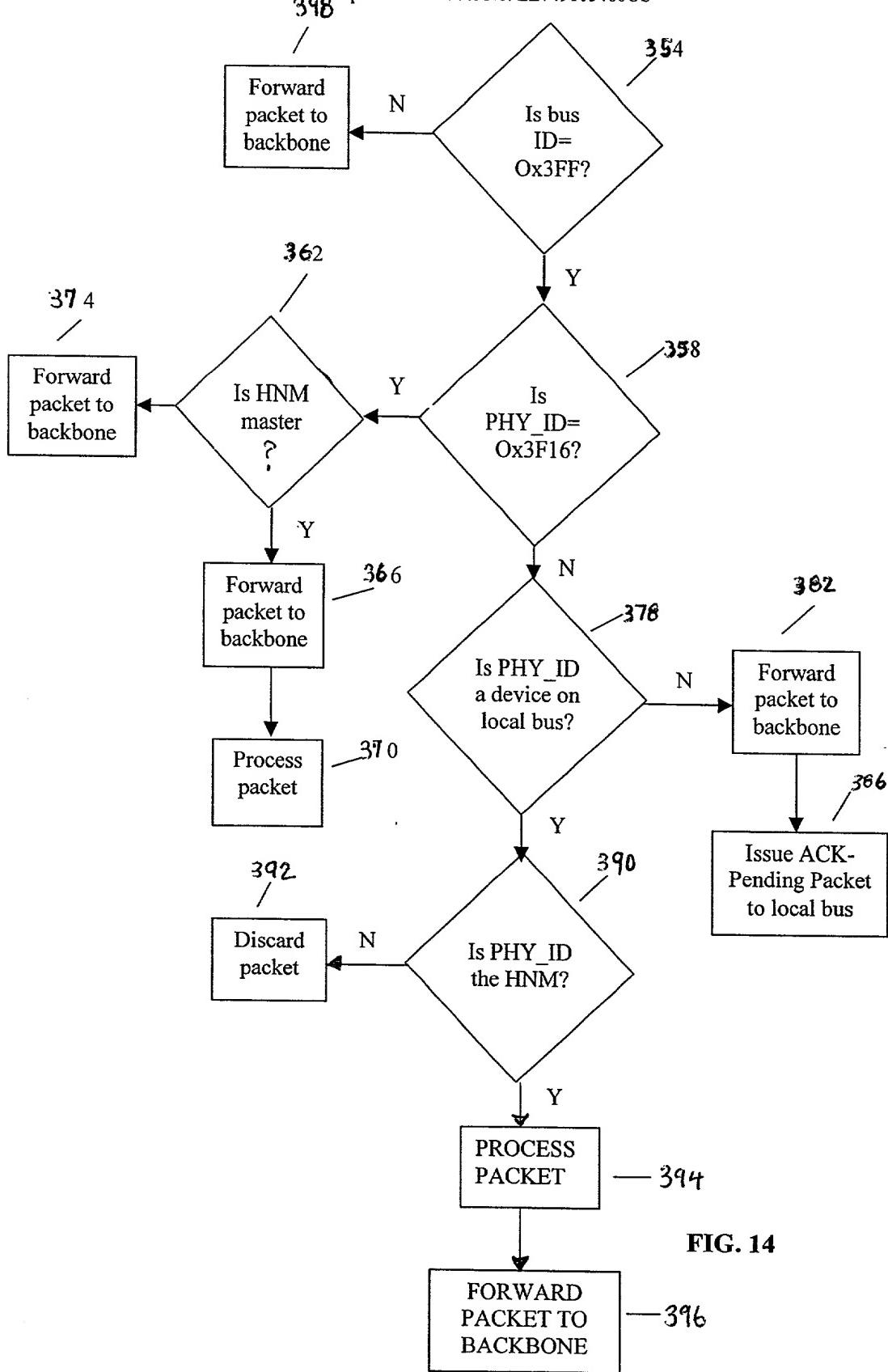


FIG. 14

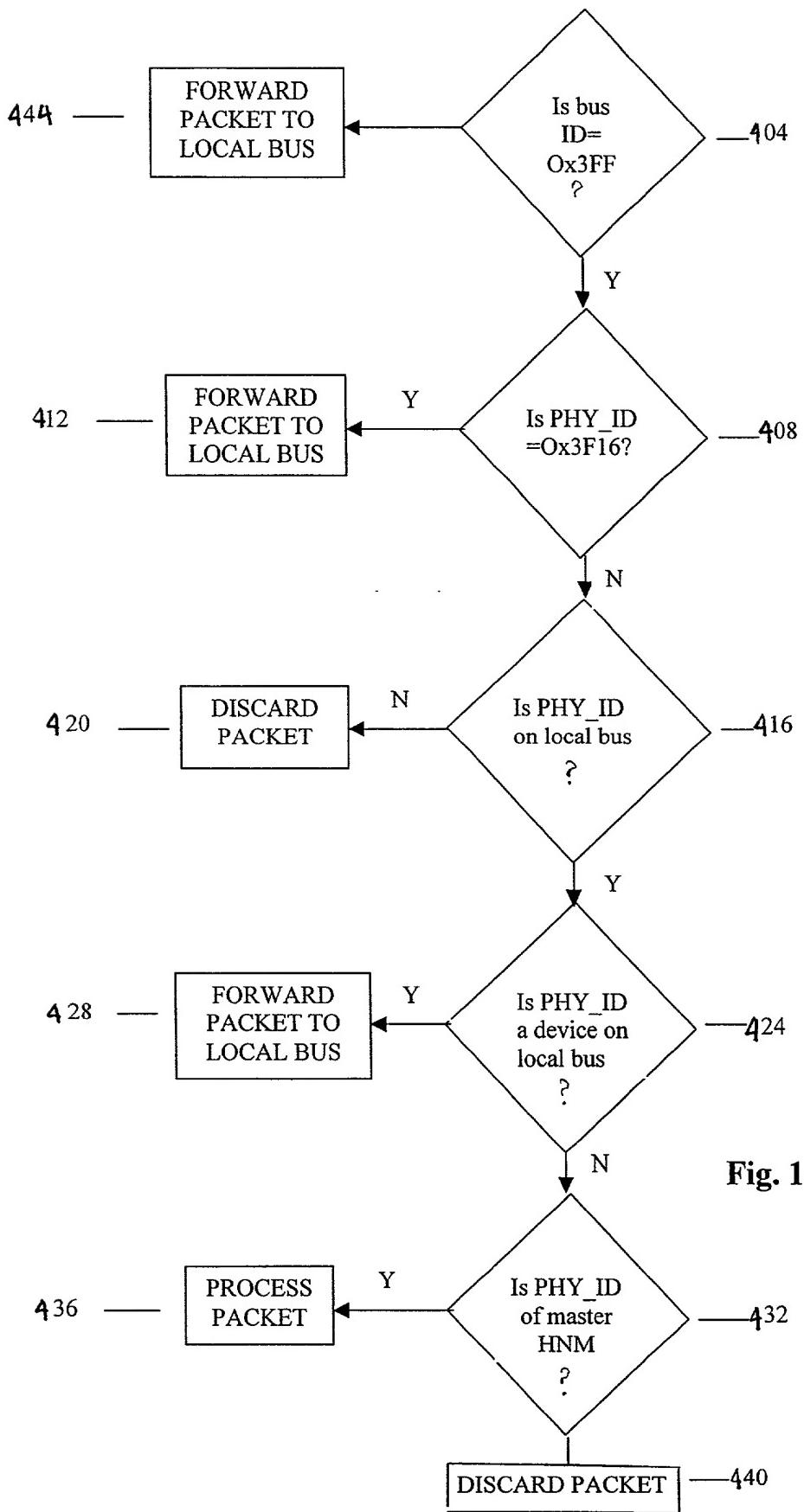
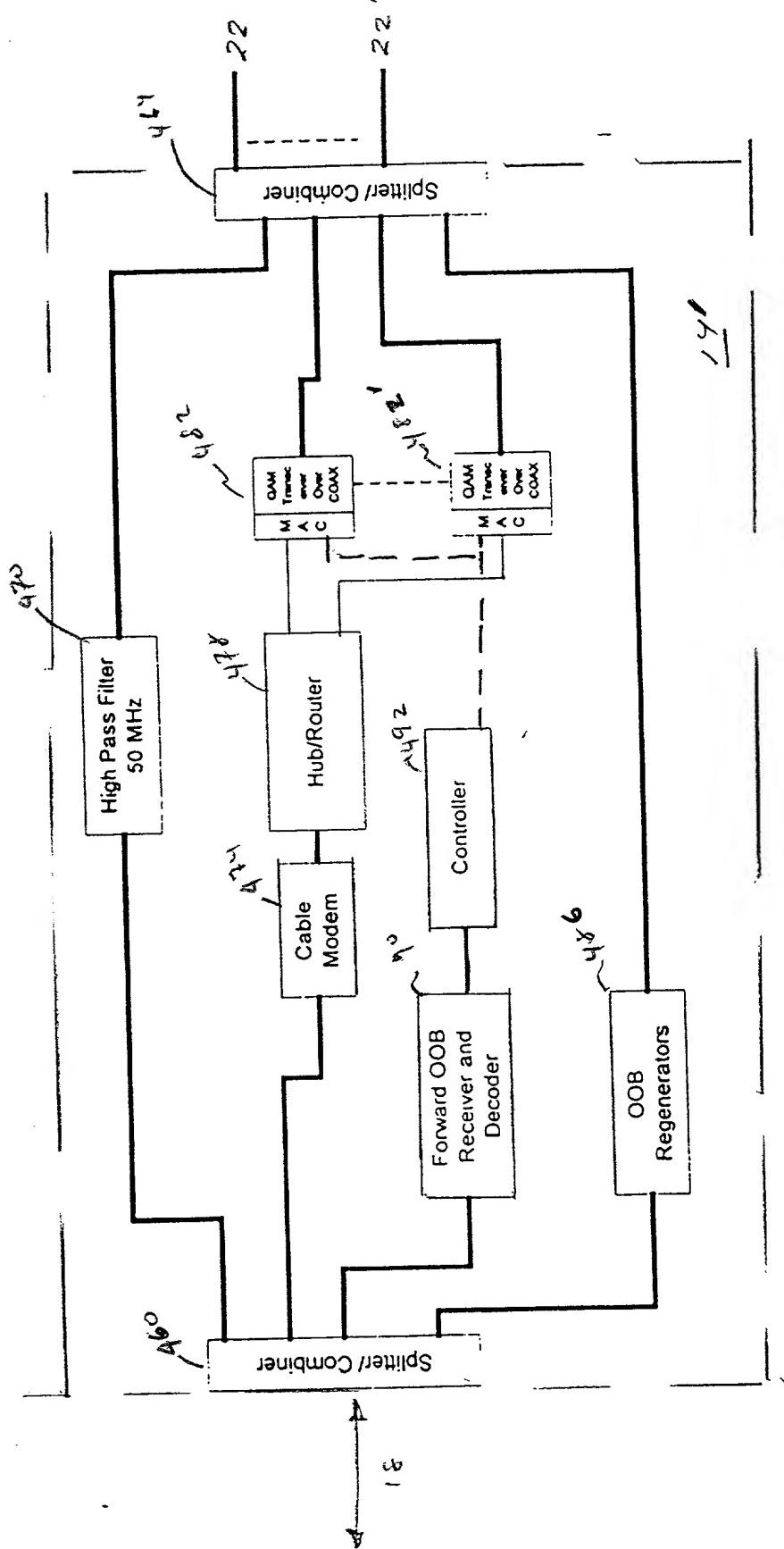


Fig. 15



Figs 16